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NOTICE OF ALLOWANCE AND FEE(S) DUE

23373 7590 01/15/2009 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON DC 20037 EXAMINER

SOOHOO, TONY GLEN

ART UNIT PAPER NUMBER

1797

DATE MAILED: 01/15/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/574,841	08/22/2006	Hikoroku Sugiura	Q94254	5032		
TITLE OF INVENTION: METHOD FOR PURIFYING FLUID AND STATIC MIXER						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	04/15/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further indicated unless correcte maintenance fee notifical	correspondence includired below or directed oth	or transmitting the 188 ig the Patent, advance of herwise in Block 1, by	orders and notification of a (a) specifying a new corre	naintenance fees wi pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for
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SUITE 800	VANIA AVENUE			Conti	ificate	of Moiling or Trope	
WASHINGTON	, DC 20037						(Depositor's name)
			<u> </u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/574,841 TITLE OF INVENTION	08/22/2006 : METHOD FOR PURI	FYING FLUID AND ST	Hikoroku Sugiura ATIC MIXER			Q94254	5032
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nonprovisional	YES	\$755	\$300	\$0		\$1055	04/15/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS	1			
SOOHOO, T	ONY GLEN	1797	210-221200	,			
"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DATZ ess an assignee is ident h in 37 CFR 3.11. Comp	inge of Correspondence Indication form and. Use of a Customer A TO BE PRINTED ON	2. For printing on the p (I) the names of up to or agents OR, alternati (2) the name of a single registered attorney or 2 registered patent atto listed, no name will be THE PATENT (print or type data will appear on the p DT a substitute for filing an (B) RESIDENCE: (CTTY	3 registered patent vely, e firm (having as a agent) and the name rneys or agents. If n printed.	memb s of u o nam	er a 2p to be is 3	ocument has been filed for
Please check the appropri	iate assignee category or	categories (will not be p	orinted on the patent):	Individual 🚨 Cor	porati	on or other private gro	oup entity 🚨 Government
4a. The following fee(s): Issue Fee Publication Fee (N	o small entity discount p		tb. Payment of Fee(s): (Plea A check is enclosed. Payment by credit can The Director is hereby overpayment, to Depo	d. Form PTO-2038	is atta	ched.	shown above) ficiency, or credit any n extra copy of this form).
	s SMALL ENTITY state	as. See 37 CFR 1.27.	b. Applicant is no lon				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accept tes Patent and Trademar	ed from anyone other than t k Office.	he applicant; a regis	tered :	attorney or agent; or th	ne assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration No			
This collection of inform an application. Confident submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	CFR 1.311. The informat U.S.C. 122 and 37 CFR USPTO. Time will var rden, should be sent to to O NOT SEND FEES OR	ion is required to obtain or r 1.14. This collection is est y depending upon the indivi- he Chief Information Office COMPLETED FORMS To	etain a benefit by th imated to take 12 m idual case. Any cor er, U.S. Patent and T D THIS ADDRESS.	e publ inutes nment fraden SENI	ic which is to file (and to complete, includir s on the amount of ti- nark Office, U.S. Dep D TO: Commissioner	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			SOOHOO, TONY GLEN			
			ART UNIT	PAPER NUMBER		
			1797 DATE MAILED: 01/15/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 211 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 211 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)		
10/574,841	SUGIURA, HIKORO) KU	
Examiner	Art Unit		
Tony G. Soohoo	1797		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence addressve

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REN herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. ' of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP	appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiati
1. This communication is responsive to the amendment of 16 OCT 20	<u>08</u> .
2. The allowed claim(s) is/are 2,5,7,8,12,13,16,17 and 19-21.	
3.	ceived. ceived in Application No have been received in this national stage application from the paramunication to file a reply complying with the requirements this application. te the attached EXAMINER'S AMENDMENT or NOTICE OF (15) why the oath or declaration is deficient. mitted. ent Drawing Review (PTO-948) attached ment / Comment or in the Office action of ould be written on the drawings in the front (not the back) of recording to 37 CFR 1.121(d). OLOGICAL MATERIAL must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 Interview Summary (PTO-413), Paper No./Mail Date
3 ☐ Information Disclosure Statements (PTO/SB/08)	7. X Examiner's Amendment/Comment

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

Paper No./Mail Date_

of Biological Material

4. Examiner's Comment Regarding Requirement for Deposit

9. Other __

8.

Examiner's Statement of Reasons for Allowance

Page 2

Application/Control Number: 10/574,841

Art Unit: 1797

DETAILED ACTION

Election/Restrictions

1. Claims 7-8 are directed to an <u>allowable product</u>. Pursuant to the procedures set forth in MPEP § 821.04(b), **claims 2, 5, 13, 16, 17, 19 and 20** are, directed to the process of making or <u>using the allowable product</u>, previously withdrawn from consideration as a result of a restriction requirement, **are hereby rejoined** and fully examined for patentability under 37 CFR 1.104. **Claims 1, 3, 6, 14, 15, 18**, directed to the invention(s) of a method of purifying using a collision cylinder <u>does not require all</u> the <u>limitations of an allowable product claim</u>, and has NOT been rejoined.

Because a claimed invention previously withdrawn from consideration under 37 CFR 1.142 has been rejoined, the restriction requirement among groups of Group I (claims 2, 5, 13, 16, 17, 19 and 20) and Group II (apparatus/product) as set forth in the Office action mailed on 05/20/2008 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

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2. This application is in condition for allowance except for the presence of Claims 1,

3, 6, 14, 15, 18, directed to invention non-elected without traverse on 5/30/2008.

Accordingly, claims 1, 3, 6, 14, 15, 18 been cancelled.

Examiner's Amendment

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims:

The following claims have been cancelled:

Cancel claims 1, 3, 6, 14, 15, 18.

Allowable Subject Matter

4. Claims 2, 5, 7-8, 12-13, 16, 17, 19, 20, and 21 are allowed.

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sugiura 5928509 discloses a method of purifying utilizing a collision cylinder. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony G. Soohoo whose telephone number is (571) 272 1147. The examiner can normally be reached on 8AM-5PM, Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R. Sample can be reached on 571-272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tony G Soohoo/ Primary Examiner, Art Unit 1797 Tony G Soohoo Primary Examiner Art Unit 1797